Visual Acuity as a Function of Age and Sex

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**Abstract**

A total of (607) normal subjects (289 males & 318 females) where tested for visual acuity by using Snellen charts. The subjects are divided into five age groups at (10) years intervals.

They showed a marked decreasing in a percent visual acuity of right and left eye with advancing age for both sexes. The decreasing began obvious at E-chart line (6/12) especially at old age groups (40-49) and (50-59) years.

Statistical analysis by using chi tests showed no significant difference in the percent visual acuity between right and left eyes and between males and females in all E-chart line for all age groups.

Also it appears no significant difference between age groups [(10-19) & (20-29)], [(10-19) & (30-39)], [(30-39) & (40-49)] & [(20-29) & (30-39)] years for all E-chart line for both sexes, but a significant difference has been found between age groups [(10-19) & (40-49)] , [(20-29) & (40-49)], [(10-19) & (50-59)] , [(20-29) & (50-59)], [ (30-39) & (50-59)] & [(40-49) & (50-59)] years for different E-chart line for right & left eye and for both sexes.